

HEAVY DUTY SOLUTIONS

Product Technical Sheet

Dayco Heavy-Duty Decouplers

The only brand that offers a premium package of complete FEAD (Front End Accessory Drive) system solutions including decoupler, damper, tensioner, idlers/pulleys, and belts, all in one place with world-class global R&D capabilities and local manufacturing footprints. With over a decade of success in Light Vehicle hybridization and state-of-the-art decoupler technology, Dayco now brings the technology to the heavy-duty industry.

Technical Attributes

- Wide range of Heavy-Duty Diesel Engine applications up to 20L
- Reducing/eliminating torsional vibration acting on FEAD
- Reducing the dynamic belt tension/load
- Reducing tensioner arm motion
- Allowing to reduce drive/belt pretension (tension optimization)
- Improving dynamic behavior in engine start & stop


Features/Benefits

- Designed to integrate a Rubber or Viscous torsional vibration damper
- Improved system efficiency and reduced carbon footprints (CO₂)
- Optimal vibration isolation and improved NVH (noise, vibration, and harshness)
- Increased lifetime of accessory drive components resulting in enhanced system uptime
- Reduced total cost of ownership

Value add to Customer

- World-class global R&D and testing capabilities with local manufacturing footprints
- Complete system solution provider and full FEAD support: Decoupler, Damper (Rubber & Viscous), tensioner, idlers, pulleys, and belts from the same supplier
- Delivering to largest engine and truck manufacturers across the globe
- Strong competitiveness in heavy duty segment with its premium bundle of decoupler and viscous dampers

Applications



- **Heavy Duty:** Trucks, buses, construction equipment, agricultural machinery
- **Light Duty:** Performance and premium cars



Over 115+ years of Delivering Innovation

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